

Sub
H14

1. (Five Times Amended) An ink-jet recording apparatus for forming an image on a recording medium comprising a plurality of ink discharge means and a plurality of ink discharge openings and containing a plurality of inks, wherein [a] the plurality of inks is discharged from the plurality of ink discharge openings by driving the ink discharge means, each ink having a penetrability, a dye density and a color;

OK

said plural ink discharge openings corresponding to a plurality of inks with different dye densities, wherein the penetrabilities of inks having different dye densities and same colors are different from each other and ink having low dye density among the plurality of inks of different dye densities and same colors has more penetrability with respect to the recording medium than ink having high dye density;

and wherein said plurality of inks contain different component ratios of a surface active component, wherein an ink having a relatively high dye density has a lower component ratio of said surface active component than an ink having a relatively low dye density.

Sub
H13
G1

21. (Five Times Amended) An ink-jet recording apparatus, comprising a recording head equipped with a plurality of ink discharge means, and a plurality of discharge ports and containing a plurality of inks, wherein the plural discharge ports of said recording head are

comprised of a plurality of discharge port trains corresponding to [a] the plurality of inks, wherein the plurality of inks is discharged onto a recording medium to form an image, each of the plurality of inks having a penetrability, a color and a different dye density, wherein the penetrabilities of inks having different dye densities and same colors are different from each other and ink having low dye density among the plurality of inks of different dye densities and same colors has more penetrability with respect to the recording medium than ink having high dye density;

and wherein said plurality of inks contain different component ratios of a surface active component, wherein an ink having a relatively high dye density has a lower component ratio of said surface active component than an ink having a relatively low dye density.

30. (Five Times Amended) An ink-jet recording apparatus, comprising a plurality of recording heads equipped with a plurality of ink discharge means and a plurality of discharge ports and containing a plurality of inks, wherein said plural recording heads correspond to [a] the plurality of inks, each ink having a penetrability, a color and a different dye density, wherein the plurality of inks is discharged onto a recording medium to form an image, and wherein the penetrabilities of inks having different dye densities and same colors are different from each other and

ink having low dye density among the plurality of inks of different dye densities and same colors has more penetrability with respect to the recording medium than ink having high dye density;

Q3
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Contd.

and wherein said plurality of inks contain different component ratios of a surface active component, wherein an ink having a relatively high dye density has a lower component ratio of said surface active component than an ink having a relatively low dye density.

37. (Amended) An ink-jet recording apparatus which forms an image on a recording medium by using a plurality of ink discharge means discharging a plurality of inks, wherein said plural ink discharge means correspond to [a] the plurality of inks [having] , which have different dye densities [in ink], and said plural inks having different dye densities [in ink] are divided and held in the same ink container.

Pub.
K1

Q4
G4

53. (Amended) An ink-jet recording apparatus, containing a plurality of inks and comprising a plurality of recording heads equipped with a plurality of ink discharge means, which discharge ink through discharge ports, and forming an image on a recording medium by discharging the ink through a plurality of discharge ports of said recording heads, wherein said plural recording heads correspond to [a]

Pub.
K3

Q5
G5

Q5
Cont'd
P. 13

~~the plurality of inks [with] which have different dye densities [in ink], and said plural inks of different dye densities [in ink] are divided and held in the same ink container.~~

Pub.
K4

GK.

61. (Amended) An ink-jet recording apparatus ~~containing a plurality of inks and comprising a plurality of recording heads equipped with a plurality of ink discharge means for discharging inks and forming an image on a recording medium by discharging the inks from a plurality of discharge ports of said recording heads, wherein said plural recording heads correspond to [a] the plurality of inks having different color materials, the plural discharge ports of said recording heads [are comprised of] comprising a plurality of discharge port trains corresponding to the plural inks having different dye densities [in ink], and said plural inks having different dye densities [in ink] are divided and held in the same ink container.~~

REMARKS

Reconsideration and allowance of this application are respectfully requested.

Claims 1, 4-14, 17-22, 25-30 and 33-62 are pending.
Claims 1, 14, 21, 30, 36, 37, 53 and 61 are independent.

Claims 1, 4-14, 17-22, 25-30 and 33-62 were rejected under 35 U.S.C. § 112, second paragraph, as